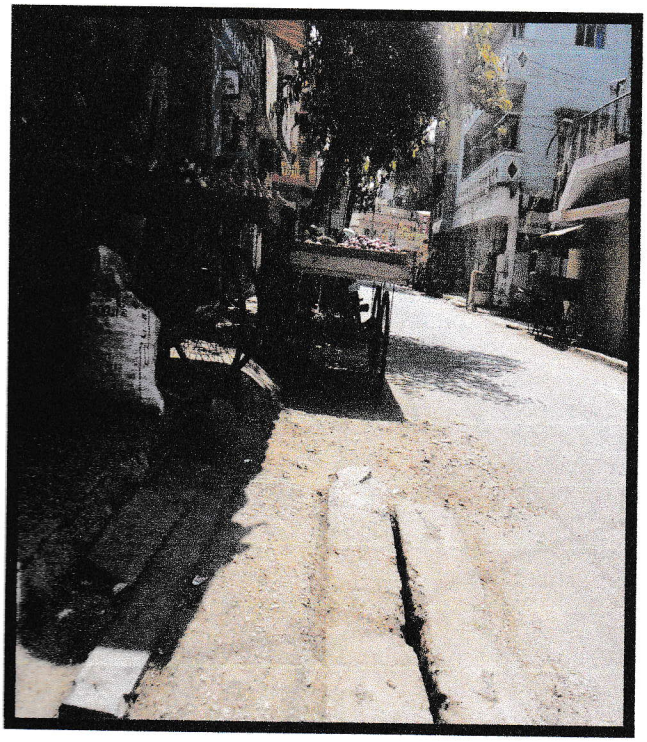

Photo:5.1.1 Proposed New Culvert with Cover Slab

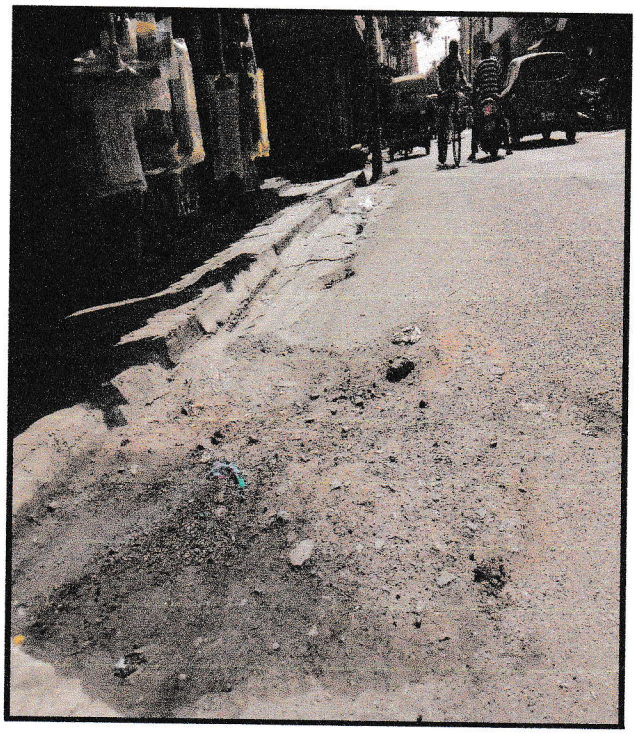

Photo:5.1.3 Proposed New Culvert with Cover Slab

BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of work: Construction and Improvements Of Culverts in in Ward No.13 in Shettyhalli Sub Division.

JOB NUMBER.: SI-6 **Est. Amount =** 50.00 Lakhs

Sl. No		Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No.-142 I.No-19.1 of KPWD S.R 2016-17)								
	Culvert	Cum	13	6.00	2.10	1.50	245.70		
			15	8.00	2.10	1.50	378.00		
						Total Qty	623.70	170.92	106602.60
2	KSRB 2.6 : Providing and filling sand in foundation upto plinth to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications, specification. No. KBS 2.10.2 (Page No. 06, It No. 2.13 of KPWD S.R 2016-17)								
	Culvert	Cum	13	6.00	2.00	0.15	23.40		
			15	8.00	2.00	0.15	36.00		
						Total Qty	59.40	2263.10	134428.14
3	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down sizegraded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications (Page No.-18 I.No-4.48 of KPWD S.R 2016-17)								
	Culvert	Cum	13	6.00	2.00	0.15	23.40		
			15	8.00	2.00	0.15	36.00		
						Total Qty	59.40	5159.02	306445.79
4	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mmand down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super piasticisers @ 3 litersconfirming to IS 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars,posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing,complete but excluding cost of reinforcement as per specifications.Specification No. KBS 4.1,4.6(Page No.-18 I.No-4.48 of KPWD S.R 2016-17)								
	Raft	Cum	13	6.00	1.80	0.20	28.08		
	Culvert Side Wall		15	8.00	1.80	0.20	43.20		
			26	6.00	0.30	0.75	35.10		
			30	8.00	0.30	0.75	54.00		
						Total Qty	160.38	6371.66	1021886.83
5	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 TMT bars Fe 500.(Page No.-18 I.No-4.48 of KPWD S.R 2016-17)								
	For Drain One cubic mt 87kg	Tonne		13.95			13.95		
						Total Qty	13.95	64243.42	896392.29
6	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached1 pilasters,buttresses, plinth cilis and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2(Page No.-15 I.No-4.31 of KPWD S.R 2016-17)								
	Culvert Side Wall	Sqm	52	6.00		0.80	249.60		
			60	8.00		0.80	384.00		
						Total Qty	633.60	310.58	196783.49
7	Providing and laying Pre Cast Drain Cover slabs of 250mm thickness including cost of all materials, labour, curing, transportation,loading, unloading etc.,complete as per the direction of Engineer - In-Charge. (Data Rate enclosed)								
	Culvert	Sqm	13	6.00	1.80		140.40		
			15	8.00	1.80		216.00		
						Total Qty	356.40	4931.00	1757408.40
							Total Construtuion cost		44,19,947.74

Construction and Improvements Of Culverts in in Ward No.13 in Shettyhalli Sub Division.

Detailed Estimate

Sl. No		Unit	No	Dimension			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
								Sub Total	49,94,540.95
								Miscellaneous & Rounding Off	5,459.05
								Grand Total	50,00,000.00

Certificate:-

1. The workspot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year 2016-17
4. The provisions made in the estimate are necessary and essential.

Assistant Engineer
Ward No.13
BBMP - Bangalore

Assistant Executive Engineer
Shettyhalli Sub Division.
BBMP - Bangalore

Executive Engineer
Dasarahalli
BBMP - Bangalore

ನಂ. CE/DD/AS/606 ದಿನಾಂಕ : 5/12/17
17-18
ರೂ. Fifty Lakhs Only
(50.00)
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. CE/TS/305/17-18 ದಿನಾಂಕ : 08/12/2017
ರೂ. Rs. 50.00 lakh only/-